UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 1693-90485

Total Pages in this Submission 120

TO THE COMMISSIONER FOR PATENTS

Mail St p Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

Transmitted berewith for filing under 35 H.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility natent application for an

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FREEMAN, Steven R. O'DONNELL, Matthew LINNENBRINK, Thomas E.					s E.	QUICK, Marshall K. DESILETS, Charles S. MORIN, Marc A.			039	
If a CON	NTIN	FAU	TION A	PF	LICATION,	chec	ck appropriate box and supp	oly the requisite information:		
☐ Co	ntin	uati	on 🛭	3	Divisional		Continuation-in-part (CIF	P) of prior application No.:	09/760,531	
Which is Co r	ntin	uatio	on 🛭	3	Divisional	۵	Continuation-in-part (CIF	P) of prior application No.:	09/358,039	
☐ Co	ntin	uati	on 🗵	3	Divisional		Continuation-in-part (CIF	P) of prior application No.:	08/944,226	
Enclose	ed ar	e:					Application Elements			
1. [2	×	Filing	g fee as	s Ca	alculated and	trar	nsmitted as described below	v		
2. [2	X	Spec	ificatio	n h	aving		73 pages and	d including the following:		
	a. (X	Descri	ptiv	ve Title of the	e Inve	ention			
	b. {		Cross References to Related Applications (if applicable)							
	c. {		Statement Regarding Federally-sponsored Research/Development (if applicable)							
1	d. [Refere	nc	e to Sequenc	e Li	sting, a Table, or a Compute	er Program Listing Appendix		
	e. [X	Background of the Invention							
	f. (X	Brief S	um	nmary of the	Inve	ntion			
1	g. (×	Brief D	es	cription of the	e Dra	awings (if filed)			
:	h. (×	Detaile	ed [Description					
	i. (×	Claim(s) a	as Classified	Belo	ow			
	j. (Ø	Abstra	ct o	of the Disclos	sure				

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Application Elements (C ntinued) 3. Drawing(s) (when necessary as prescribed by 35 USC 113) **Number of Sheets** 27 Formal **Number of Sheets** b. 🗆 Informal ☑ Oath or Declaration Newly executed (original or copy) Unexecuted a. 🔲 Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) \boxtimes ☐ Without Power of Attorney With Power of Attorney \boxtimes DELETION OF INVENTOR(S) d. □ Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) Application Data Sheet (See 37 CFR 1.76) 7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included) a. Computer Readable Form (CFR) b. Specification Sequence Listing on: i. D-ROM or CD-R (2 copies); or ii. 🔲 Paper c. Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** □ Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(B) Statement (when there is an assignee) 12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations Preliminary Amendment 13. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 14. 16. Certificate of Mailing ☐ First Class ☒ Express Mail (Specify Label No.): EV337103908US

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	Acc impanying Application Parts (Cintinued)
7. 🛛	Applicant claims small entity status. See 37 CFR 1.27.
	☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
8. 🗖	Additional Enclosures (please identify below):
	Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
9. 🔲	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
	Warning
	An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED Fee #Filed #Allowed #Extra Rate For \$27.00 \$9.00 3 23 - 20 = **Total Claims** х \$0.00 0 \$42.00 2 - 3 = Indep. Claims \$0.00 Multiple Dependent Claims (check if applicable) **BASIC FEE** \$375.00 \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$402.00 A check in the amount of \$402.00 to cover the filing fee is enclosed. ☑ The Director is hereby authorized to charge and credit Deposit Account No. 23-0920 as described below. ☐ Charge the amount of as filing fee. ☑ Credit any overpayment. □ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: August 27, 2003 Signature

Jon P. Christensen Reg. No. 34,137

Certificate of Express Mailing

Express Mail No.: EV337103908US

Date of Deposit: August 27, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail" Post Office to Addressee. Service under 37 CFR 1.10 is on the date indicated above and addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-0001. The person mailing this paper is:

Daryl Jones

Typed or Printed Name of Person Mailing Paper of Fee

Signature of Person Mailing Paper or Fee